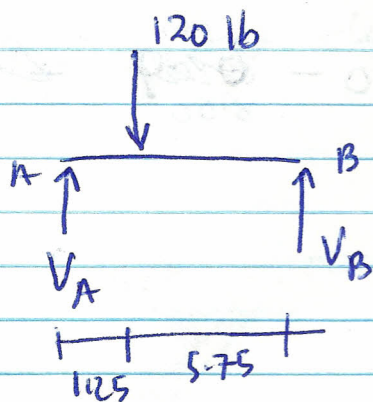


5-19

regular shoe

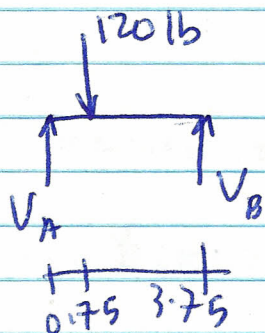


$$\sum M_A = 0$$

$$-120(1.25) + V_B(7) = 0$$

$$V_B = 21.43 \text{ lb.} \Rightarrow V_A = 120 - 21.43 = 98.57 \text{ lb.}$$

stiletto



$$\sum M_A = 0$$

$$-120(0.75) + V_B(4.5) = 0$$

$$V_B = 20 \text{ lb}$$

$$\Rightarrow V_A = 120 - 20 = 100 \text{ lb}$$

So the high heel puts more force on the ankle.